

CLAIMS

I/we claim:

1. A hinge for mounting a projection display screen to a cabinet from the front of the screen, comprising:

a cabinet hinge attached to the cabinet; and

a screen hinge attached to a screen frame having the screen mounted thereto;

wherein both the cabinet hinge and the screen hinge are elongate, stiff members, one of the cabinet hinge and the screen hinge having an arcuate slot extending along its elongate dimension and the other of the cabinet hinge and the screen hinge having an arcuate projection extending along its elongate dimension that is pivotally interlockable with the arcuate slot.

2. The hinge of claim 1 wherein the cabinet hinge and the screen hinge are continuous.

3. The hinge of claim 2 wherein the cabinet hinge and the screen hinge have a constant cross section along the elongate dimension.

4. The hinge of claim 1 wherein the cabinet hinge and the screen hinge are extrusions.

5. The hinge of claim 1 wherein the cabinet hinge and the screen hinge are formed of aluminum.

6. The hinge of claim 1 wherein the cabinet hinge and the screen hinge have stops extending essentially parallel to the elongate direction and abutting one another when the screen is hingedly mounted to the cabinet.

7. A projection display, comprising:

a cabinet;

a screen mounted in a screen frame; and

a hinge assembly having a cabinet hinge attached to the cabinet and a screen hinge

attached to the screen frame, both the cabinet hinge and the screen hinge being elongate, stiff members, one of the cabinet hinge and the screen hinge having an arcuate slot extending along its elongate dimension and the other of the cabinet hinge and the screen hinge having an arcuate projection pivotally disposed in the arcuate slot.

8. The projection display of claim 7 wherein the cabinet hinge and the screen hinge are continuous.

9. The projection display of claim 8 wherein the cabinet hinge and the screen hinge have a constant cross section along the elongate dimension.

10. The projection display of claim 7 wherein the cabinet hinge and the screen hinge are extrusions.

11. The projection display of claim 7 wherein the cabinet hinge and the screen hinge are formed of aluminum.

12. The projection display of claim 7 wherein the cabinet hinge and the screen hinge have stops extending essentially parallel to the elongate direction and abutting one another when the screen is hingedly mounted to the cabinet.